RRRRR	RRRRRRR	UUU	UUU	NNN		NNN	00	0000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRR	RRRRRRR	ŬŬŬ	ŬŬŬ	NNN		NNN		0000000	FFFFFFFFFFFF	FFFFFFFFFFFF
	RRRRRRR	ŬŬŬ	ŬŬŬ	NNN		NNN		0000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	ŬŬŬ	ŭŭŭ	NNN		NNN	000	000	FFF	FFF
RRR	RRR	ŬŬŬ	UUU	NNN		NNN	000	000	FFF	FFF
RRR	RRR	ŬŬŬ	UUU	NNN		NNN	000	000	FFF	FFF
RRR	RRR				A.I					
		UUU	UUU	NNNNN		NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNN		NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNNN		NNN	000	000	FFF	FFF
	RRRRRRR	UUU	UUU	NNN	NNN	NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
	RRRRRRR	UUU	UUU	NNN	NNN	NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRRRR	RRRRRRR	UUU	UUU	NNN	NNN	NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NI	NNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NI	NNNNN	000	000	FFF	FFF
RRR	RRR	ŬŬŪ	ŬŬŬ	NNN		NNNN	000	000	FFF	FFF
RRR	RRR	ŬŬŬ	ŬŬŬ	NNN		NNN	000	000	FFF	FFF
RRR	RRR	ŬŬŬ	ÜÜÜ	NNN		NNN	000	000	FFF	FFF
RRR	RRR	ŬŬŬ	บับับ	NNN		NNN	000	000	FFF	FFF
RRR	RRR	บับบับบบบบเ		NIN		NNN		0000000	FFF	FFF
RRR	RRR	UUUUUUUU		NNN		NNH		0000000	FFF	FFF
RRR	RRR									
RRR	RRR	UUUUUUUU	UUUUUU	NNN		NNN	UL	0000000	FFF	FFF

_\$2

RLI RNO RNO RTY SAV STR STR STR STR

STR STR STR STR STR STR STR STR STR STR

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	000000 00 00 00 00	000000 00 00 00 00	000000 000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00		••••
		\$				

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P 0003

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22234567890
222222230
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FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS

ABSTRACT: Puts out footnotes.

ENVIRONMENT: Transportable

AUTHOR: R.W.Friday CREATION DATE: September, 1978

F000UT V04-000	performs outputting Revision History	of footnotes	C 12 16-Sep-1984 00:33:42 14-Sep-1984 13:06:25	VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]F000UT.BLI;1	Page 2 (2)
41 42 43 445 447 449 51 51 53 55	0040 1 %SBTTL 'Revision of the second of the	REROOO12 fixed obscure (REROOO11 for DSRPLUS: for numbered for	Ron Randall 13-Apr-1983 bug with numbered footnotes. Ron Randall 06-Apr-1983 ootnotes, a line of dashes is Ron Randall 07-Mar-1983 all modules. Updated module n s. Changed require files to BL	,	

FOR VO4

```
D 12
                                                                                             16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
FOOOUT
                       performs outputting of footnotes
                                                                                                                                VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                                     Page
                                                                                                                                                                                            (3)
V04-000
                       Module Level Declarations
                                                                                                                                [RUNOFF.SRC]FOOOUT.BLI:1
                               1 %SBTTL 'Module Level Declarations'
     58
59
                       0056
0057
                                     INCLUDE FILES:
     60
                       0058
                               1 LIBRARY 'NXPORT: XPORT';
     61
                       0059
                                                                                             ! XPORT Library
     62
63
                               1 REQUIRE 'REQ:RNODEF':
                       0060
                                                                                             ! RUNOFF variant definitions
                       0191
     64
                    U 0192
U 0193
                               1 XIF DSRPLUS XTHEN
1 LIBRARY 'REQ:DPLLIB';
                                                                                             ! DSRPLUS BLISS Library
     66
67
                       0194
                                1 XELSE
                       0195
                                1 LIBRARY 'REQ:DSRLIB':
                                                                                           ! DSR BLISS Library
                       0196
0197
0198
     68
70
77
77
77
77
77
                      1 ! EXTERNAL REFERENCES:
                               1 EXTERNAL LITERAL
1 RINTES : UNSIGNED (8);
                                  EXTERNAL LITERAL
                                        RNFILE:
                                                                                             !Error messages
     78
79
                                 EXTERNAL

FNCT: FNCT_DEFINITION,

FNISIZ: FN_INT_SIZE_DEFINITION,

FOOREC: FOOREC_DEFINITION,

GCA: GCA_DEFINITION,

MRA: REF_FIXED_STRING,

PHAN: PHAN_DEFINITION,

TSF: TSF_DEFINITION;
     8Ó
     81
     83
     84
     85
     86
     87
     88
                               1 EXTERNAL
                                        FOOMRA : FIXED_STRING,
FOOTSF : VECTOR [TSF_SIZE];
     89
                                                                                             !Substitute MRA.
!Substitute TSF area
     90
     91
                   0219
0221
02223
02223
02223
02226
02226
02227
02228
02230
0230
     92
                               1 EXTERNAL
                                        FOHMRA,
     93
     94
                                        FOHTSF:
     95
     96
                                1 %IF DSRPLUS %THEN
     97
                                1 EXTERNAL
     98
                                        FRA : FIXED_STRING;
     99
                                  EXTERNAL ROUTINE
    100
    101
                                       LOUT;
    102
                       0231
0232
0233
0234
0235
    103
                                  EXTERNAL ROUTINE ERMS,
    104
    105
                                        FOOFIL.
    106
    107
                                        OUTLIN.
                       0236
0237
    108
                                        OUTPAS:
    109
```

FOR VO4

```
E 12
16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
FOOGUT
                     performs outputting of footnotes
                                                                                                                      VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                       Page
V04-000
                     body of routine
                                                                                                                      [RUNOFF.SRC]FOOOUT.BLI:1
                     0238
0239
   111
                             1 %SBTTL 'body of routine'
   112
                                GLOBAL ROUTINE fooout (OUTPUT COUNT) : NOVALUE =
                     0240
   114
                     0241
   115
                                  FUNCTIONAL DESCRIPTION:
   116
                                          FOOOUT outputs as many footnotes as it is requested to do. For each footnote, all it does is read the appropriate number of TSF/MRA pairs from the footnote file, and calls OUILIN to process the information.
   117
                     0245
   118
                     0246
   119
   120
121
123
123
124
127
128
129
130
                                           The number of TSF/MRA sets for any particular footnote is stored at
                     0248
0249
                                           FNISIZ [n].
                     0250
                                           F000Uï also takes care of index entries that it finds. The transaction
                                           numbers are remapped into a different set, so that they get merged with
                     0252
                                           entries from the main body of the document.
                     0254
                                           After F000UT has output the footnotes it's supposed to output, it
                     0255
                                           leaves the file open. It does not close the file, or attempt to clean
                     0256
0257
                                           it up in any way.
   131
132
133
134
135
                     0258
                                  FORMAL PARAMETERS:
                     0259
                     0560
                                           OUTPUT_COUNT - Number of footnotes to be output.
                     0261
                     0262
                                  IMPLICIT INPUTS:
                                                                None
   136
137
138
139
140
141
142
143
                     0264
                                   IMPLICIT OUTPUTS:
                                                                None
                     0266
                                   ROUTINE VALUE:
                     0267
                                   COMPLETION CODES:
                                                                None
                     0268
                     0269
0270
0271
0272
0273
0274
0275
                                  SIDE EFFECTS:
                                                                None
   144
                                     BEGIN
   146
                                     LOCAL
                                          COUNT,

FOO FIRST XTN,

HOLD PAGING,

MAP FIRST XTN,

STATUS;
   148
    149
   150
151
152
153
                     0277
                     0278
                     0279
                     0280
                                                                           ! If this is a meaningless call,
                                          .OUTPUT_COUNT LEG 0
                     0281
0282
0283
0284
0285
   154
                                     THEN
                                          RETURN
                                                                                ignore it.
    156
                                                                           ! Otherwise, check the validity of the request
                                     ELSE
    157
                                          BEGIN
    158
                     0286
    159
                                                .OUTPUT_COUNT GTR .FNCT_READY ! If the user asked for more
                     0287
                                           THEN
    160
                                               ready to be output than are ready to be output, ERMS (RNFILE, CH$PTR (UPLIT ('FOOOUT')), 6); ! report the error COUNT = .FNCT_READY; and use the real ready.
                                                                                           footnotes to be output than are
                     0288
    161
                     0289
    162
                     0290
    163
                                                                                               and use the real count instead.
                     0291
0292
0293
    164
                                                END
```

Otherwise, setup to output the #

the user requested.

165

166

167

0294

ELSE

: TOUNT = .OUTPUT_COUNT;

FUR VO4

```
F 12
                                                                                 16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
FOOOUT
                    performs outputting of footnotes
                                                                                                                VAX-11 Bliss-32 V4.0-742
                                                                                                                                                             Page
V04-000
                    body of routine
                                                                                                                [RUNOFF.SRC]F000UT.BLI:1
                                        END:
                    0296
0297
   169
                                     NOTE: The change to not using pool for footnotes necessitated changing a test for .FNPOOL. This change MAY have reintroduced an old bug from either # 020 or # 025. Check for it and beware.
RUNOFF V2(1), FN IDENT 008; 9-2-1980. kad.
   170
                    0298
   171
   172
173
                    0299
                    0300
   174
                    0301
                    0302
0303
   175
                                   IF FOOFIL (FOO_OPIN) NEQ FOO_NORMAL
   176
                                   THEN
   177
                    0304
                                                   ! Can't read back footnotes: give up and forget them.
                                        FOOFIL (FOO_DELE);
FNCT COUNT = 0;
   178
                    0305
                    0306
0307
   179
                                        FNCT_COUNT = 0;
FNCT_READY = 0;
FNCT_WAITING = 0;
FNCT_OLD = 0;
   180
   181
                    0308
   182
183
                    0309
                    0310
   184
185
                    0311
                                        RETURN
                    0312
0313
                                        END:
   186
187
                    0314
                                    !The footnote file was opened successfully.
                    0315
   188
                                   FNCT EXPANDING = TRUE:
                                                                                            !Signal the fact that footnotes are being expanded.
                    0316
                                   HOLD_PAGING
   189
                                                      = .PHAN_PAGING:
                                                                                            !Go into non-paging mode to
   190
                                   PHAN_PAGING
                                                      = FALSE:
                                                                                            lavoid spurious page breaks.
                    0318
   191
                                    !Use the footnote working areas to save results in.
   192
193
                    0319
                                   FOHTSF = .TSF;
                                                                                            !Save current status.
                    0320
                                   FOHMRA = .MRA:
   194
                    0321
                                   TSF = FOOTSF;
                                                                                            !Switch to other working area.
   195
                    0322
0323
                                   MRA = FOOMRA;
   196
197
                                   FOO_FIRST_XIN = 0;
                                                                                           !Initialize transaction number
                    0324
                                   MAP_FIRST_XTN = 0;
                    0325
   198
   199
                 U 0326
                              XIF DSRPLUS XTHEN
   200
                 U 0327
   201
                 U 0328
                                      If outputting numbered footnotes, first output a line of dashes.
   202
                 U 0329
   203
                 U 0330
                                        .FNCT_NUMBERING
   204
                 U 0331
                                   THEN
   205
                 u 0332
                                        BEGIN
   206
                 U 0333
   207
                 U 0334
                                           Initialize fixed string.
   208
                 u 0335
    209
                 U 0336
                                        FS_INIT (MRA);
   210
                 U 0337
   211
                 U 0338
                                           Write dashes into the fixed string.
   212
                 U 0339
                                        INCR I FROM 1 TO 15 DO
                 U 0340
                 U 0341
                                              FS_WCHAR (MRA, %C'-');
                 U 0342
U 0343
   215
   216
   217
                 U 0344
                                           Update the appropriate counts.
   218
219
                 U 0345
                                        TSF_INT_HL = 15:
ISF_EXT_HL = 15:
                 U 0346
U 0347
   221
222
223
224
                                         TSF_INT_VL = 0:
                 U 0348
                 U 0349
                 U 0350
                                           Put out the line as OUTLIN does.
                 U 0351
```

FOR

V04

```
G 12
FOOOUT
                  performs outputting of footnotes
                                                                           16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
                                                                                                       VAX-11 Bliss-32 V4.0-742
                                                                                                                                                  Page
V04-000
                   body of routine
                                                                                                       [RUNOFF.SRC]FOOOUT.BLI:1
                                     FS_INIT (FRA);
   2222890123345
222222333335
                ŭ 0353
                                     GCA_LINE_PEND = 0;
LOUT ();
                U 0354
                U 0355
                                     END:
                            XF I
                   0356
                   0357
                   0358
                                 !Now actually read back the records. INCR I FROM 0 TO (.COUNT - 1) DO
                  0359
                   0360
                                 INCR J FROM 1 TO .FNISIZ [.FNCT_OLD + .I] DO
                                                                                                     !(J is a dummy counter, not really used anyw
                   0361
                                     BEGIN
                  0362
                                     !Determine which kind of record is coming: a TSF/MRA pair, or a 'pass through'
   236
                                      !record.
                   0364
                                     STATUS = FOOFIL (FOO_RHDR);
   238
                   0365
   239
                   0366
                                     IF .STATUS NEQ FOO_NORMAL
   240
                   0367
                                     THEN
   241
                   0368
                                          !Exit loop if record can't be read.
   242
                   0369
                                          EXITLOOP:
                   0370
   244
                  0371
                                     !Is what's coming a TSF/MRA pair, or is it 'pass through' information? IF .FOOREC_MAJOR_TYPE EQL FOOREC_MAJ_PASS
   245
                  0373
   246
                                     THEN
                                          !Direct 'pass through' information to the appropriate destination
                  0374
   248
                  0375
   249
                  0376
                                          !First read the 'pass through' information STATUS = FOOFIL (FOO_PREAD);
   250
                  0377
   251
252
253
                  0378
                  0379
                                          !Make sure the read worked.
                  0380
                                          IF .STATUS NEQ FOO_NORMAL
   254
                  0381
                                          THEN
   255
                  0382
                                               !Information couldn't be read. !Quit processing.
   256
                  0383
                                               EXITLOOP:
   257
                  0384
   258
                  0385
                                          !Map transaction number, if any.
   259
                  0386
                                              .FOOREC_XTN_PTR GTR O
                  0387
   260
                                          THEN
                  0388
   261
                                               !This pass thru record contains a transaction number. Remap it into something else.
                  0389
                                               BEGIN
   262
   263
                  0390
                                               BIND
   264
                  0391
                                                   PASS_THRU_RECORD = .FOOREC_ADDRESS : VECTOR;
   265
                  0392
                                                   !Notē: Nēver change transaction numbers that are zero.
                  0393
   566
   267
                  0394
                                               IF .PASS_THRU_RECORD [.FOOREC_XTN_PTR - 1] NEQ 0
   268
                  0395
                                               THEN
   269
                  0396
                                                   BEGIN
   270
271
                  0397
                  0398
                                                   IF .FOO_FIRST_XTN EQL O
   272
273
                  0399
                  0400
                                                        !Establish start of mapping from temporarily assigned
   274
275
276
277
278
279
                  0401
                                                        !transaction numbers to the normal set.
                  0402
                                                        BEGIN
                                                        MAP_FIRST_XTN = .GCA_NORMAL_XTN; !Establish Y(1).
FOO_FIRST_XTN = .PASS_THRU_RECORD [.FOORE(_XTN_PTR - 1];
                   0404
                                                                                                                                   !Establish X(1).
                   0405
                  0406
   280
                  0407
                                                    !Translate the temporary transaction number assigned
                  0408
   281
                                                   !to this pass thru record.
```

FOR

VČ4

```
H 12
                                                                                            16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
FOCOUT
                       performs outputting of footnotes
                                                                                                                               VAX-11 Bliss-32 V4.0-742
V04-000
                       body of routine
                                                                                                                               [RUNOFF.SRC]FOOOUT.BLI:1
    282
283
                       0409
                                                                !This is done by simply substituting the current Y(1) !(which is GCA_NORMAL_XTN) for the given X(1).
                       0410 6
                                                                Then, GCA_NORMAL_XIN is bumped, thereby giving a
    284
                       0412
    285
                                                               !new Y(1) for the next such record, if any.
PASS_THRU_RECORD [.FOOREC_XTN_PTR - 1] = .GCA_NORMAL_XTN;
    286
287
                       0414
                                                               GCA_NORMAE_XTN = .GCA_NORMAL_XTN + 1;
    288
    289
290
291
292
293
295
                       0416
                       0417
                                                         END:
                       0418
                       0419
                                                    OUTPAS (.FOOREC_RECORD_SIZE, .FOOREC_ADDRESS, .FOOREC_XTN_PTR,
                       0420
0421
                                                                     .FOOREC_MINOR_TYPE)
                                                   END
                       0422
0423
0424
0425
                                              ELSE
    296
297
                                                    !It's TSF/MRA information to be processed, so get it and process it.
                                                    BEGIN
    298
                                                    FOOFIL (FOO_READ);
    299
                      0426
0427
0428
0429
0431
0433
0433
0436
0437
0438
    300
301
302
303
304
305
                                                    !Make sure the read worked.
                                                    IF STATUS NEO FOO NORMAL THEN
                                                          !Information couldn't be read. !Quit processing.
                                                         EXITLOOP:
    306
307
                                                    !See if this record has anything to do with indexing.
                                                    !If so, the record either contains an entry for the index,
    308
309
310
311
                                                    for else it contains text that refers to something in the
                                                    lindex (or the index refers to it, depending on your point of
                                                    !view.
    !Records containing index entries always occur before the
                      0440
                                                    !record to which they apply; each record describes one
                                                    lentry. Further, each index entry has associated with it a unique number, TSF_FIRST_XTN. These transaction numbers
                       0442
                                                    lare strictly increasing from record to record. Assume that
                       0444
                                                    there are n such records, and let the transaction numbers be designated by X(1), X(2), .... X(n).
                       0446
                                                    !Records which refer to index entries come after the index
                       0448
0449
0450
0451
0452
0453
                                                    !entry records; they are chained to the index entries by
                                                    !having the transaction numbers recorded in the corresponding
                                                    TSF. TSF_FIRST_XTN will have the value X(1), and TSF_LAST_XTN will have the value X(n).
                                                    !The problem is that X(1).....X(n) cannot be directly used
                                                    !by the routine ASGXTN (which is in the module XTN). That
                                                   requires that the transaction numbers passing through ASGXTN be steadily increasing, with no gaps, FOR THE ENTIRE FILE. Now, X(1).....X(n) are steadily increasing, but only for the footnote. However, they can be mapped into the "correct" set, which is accomplished here. Note that the new set will be designated by Y(1).....Y(n). Further, Y(1) is guaranteed to be GCA_NORMAL_XTN. IF .TSF_FIRST_XTH NEQ 0 THEN
                                                    is because the association of transaction numbers to pages
                       0456
                       0457
                       0458
                       0459
                       0460
    334
335
                       0461
                       0462
```

336 337

338

0464

0465

VO4

```
16-Sep-1984 00:33:42
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FOOOUT
                     performs outputting of footnotes
                                                                                                                    VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                    Page
V04-000
                     body of routine
                                                                                                                    [RUNOFF.SRC]FUOOUT.BLI;1
                     0466
                                                     !This record has something to do with indexing.
                     0467
                                                     IF .TSF_INDEX
                                                     THEN
                     0468
   0469
                                                           !Process index entry.
                     0470
                                                          BEGIN
                     0471
                     0472
0473
                                                               .FOO_FIRST_XTN EQL O
                                                          THEN
                     0474
                                                                !Establish start of mapping from temporarily assigned
                     0475
                                                               !transaction numbers to the normal set.
                     0476
                     0477
                                                               MAP_FIRST_XTN = .GCA NORMAL XTN;
                                                                                                                     !Establish Y(1).
                     0478
                                                               FOO_FIRST_XTN = .TSF_FIRST_XTN; !Establish X(1).
                     0479
                     0480
                     0481
                                                          !Translate the temporary transaction number assigned
                     0482
0483
                                                          !to this index entry into a normal one.
                                                          !This is done by simply substituting the current Y(1)!(which is GCA_NORMAL_XTN) for the given X(1).!Then, GCA_NORMAL_XTN is bumped, thereby giving a
                     0484
                     0485
                     0486
0487
0488
0489
                                                          !new Y(1) for the next index entry, if any.
                                                          TSF_FIRST_XTN = .GCA_NORMAL_XTN;
TSF_LAST_XTN = .GCA_NORMAL_XTN;
GCA_NORMAL_XTN = .GCA_NORMAL_XTN + 1;
    360
    361
   362
363
                    0490
0491
0493
0493
0494
0495
   364
                                                    ELSE
   365
                                                           !Process reference to index entry.
   366
367
                                                          !Notice that earlier, the starting X(1) and Y(1) were
                                                          !established. But that was for the start of the
   368
                                                          !footnote, not for the current record. In the meantime,
   369
                                                          !several sets of index entries and references may have
   370
                                                          gone through here. And there is no way to separate them. That means you can't simply use MAP_FIRST_XTN as the
                    0498
0499
0500
   371
                                                          !new Y(1).
   373
                                                          BEGIN
                     0501
   374
                                                          LOCAL
                    0502
0503
   375
                                                               XTN_OFFSET;
   376
                     0504
                                                          !Compute the gap between the X(1) on this record and that at the start of the footnote processing.
                     0505
                     0506
                                                          !XTN_OFFSET, the result, will be zero for the very first
                     0507
    380
                                                          !record that comes through.
XTN_OFFSET = .TSF_FIRST_XTN - .FOO_FIRST_XTN;
    381
                     0508
   382
383
                     0509
                     0510
                                                          !Now, compute the desired Y(n).
                                                          The value MAP_FIRST_XTN+XTN_OFFSET gets you the Y(1)
!you need. The value TSF_LAST_XTN - TSF_FIRST_XTN gets
                     0511
    384
                     0512
0513
    385
    386
387
                                                           'you ''n''.
                                                          TSF_LAST_XTN = .MAP_FIRST_XTN + .XTN_OFFSET + (.TSF_LAST_XTN - .TSF_FIRST_XTN);
                     0514
    188
                     0515
                     0516
    389
                                                          !This is left as an exercise for the reader.
                     0517
    390
                                                          TSF_FIRST_XTN = .MAP_FIRST_XTN + .XTN_OFFSET;
    391
                     0518
    392
393
                     0519
                                                          !As an additional exercise, prove that it's not necessary to clear FOO_FIRST_XTN now, or later;
                     0520
    394
                                                          !Further, show that it doesn't matter whether or
```

!not you do slear it. Using the results of these

395

FOR

V04

```
J 12
                                                                            16-Sep-1984 00:33:42
14-Sep-1984 13:06:25
FOCOUT
                   performs outputting of footnotes
                                                                                                        VAX-11 Bliss-32 V4.0-742
                                                                                                                                                   Page
V04-000
                   body of routine
                                                                                                        [RUNOFF.SRC]FOOOUT.BLI;1
   396
397
                                                    !exercises simplify this block of code.
                                                    END:
   398
   399
                                           !Write out the record.
   400
                                          OUTLIN (0):
                                                                                     '(Parameter is meaningless in this case).
   401
                                          END;
                  0529
0530
   402
                                      END:
   404
   405
                                 TSF = .FOHTSF:
MRA = .FOHMRA;
                                                                                     !Restore interrupted status.
   406
                                PHAN_PAGING = .HOLD_PAGING;
FNCT_READY = .FNCT_READY - .COUNT;
FNCT_COUNT = .FNCT_COUNT - .COUNT;
FNCT_OLD = .FNCT_OLD + .COUNT;
FNCT_EXPANDING = FALSE;
                  0534
0535
   407
   408
                                                                                     !Count off the footnotes that have been output.
                   0536
   409
                                                                                      !Count off the footnotes that have been output.
   410
                                                                                      !Update count of obsolete footnotes.
                   0538
   411
                                                                                     !No longer expanding footnotes
  412
                   0539
                   0540
                                 !Get rid of the work files if there are no more footnotes to be output.
                   0541
   414
                                 IF .FNCT_COUNT LEG O
                  0542
   415
                                 THEN
   416
                                      !All footnotes have been output.
   417
                   0544
                                      BEGIN
                   0545
  418
                                      FOOFIL (FOO_CLOS);
                                                                                      !Close the file
                                     FOOFIL (FCO_DELE);
   419
                   0546
                                                                                      !and delete it.
                                     FNCT OLD = 0;
FNCT READY = 0;
FNCT WAITING = 0;
                                                    = 0;
                   0547
                                                                                     !And clean up the tables a bit.
   421
                   0548
                   0549
                   0550
                                      END:
                   0551
  425
                  0552
                                 END:
                                                                                     !End of FOOOUT
                                                                                        .TITLE
                                                                                                 FOOOUT performs outputting of footnotes
                                                                                        .IDENT
                                                                                                 1004-0001
                                                                                        .PSECT $PLIT$, NOWRT, NOEXE, 2
                                          54 55 4F 4F 4F 46 00000 P.AAA:
                                                                                        .ASCII
                                                                                                \f000UT\<0><0>
                                                                                        .EXTRN
                                                                                                 RINTES, PNFILE, FNCT
                                                                                        .EXTRN
                                                                                                 FNISIZ, FOOREC, GCA
                                                                                                 MRA, PHAN, TSF, FOOMRA
                                                                                        .EXTRN
                                                                                                 FOOTSF, FOHMRA, FOHTSF
ERMS, FOOFIL, OUTLIN
                                                                                        .EXTRN
                                                                                        .EXTRN
                                                                                                 OUTPAS
                                                                                        .EXTRN
                                                                                        .PSECT
                                                                                                 SCODES, NOWRT, 2
                                                                 OFFC 00000
                                                                                                 FOOOUT, Save R2,R3,R4,R5,R6,R7,R8,R9,R10,-
                                                                                                                                                       0239
                                                                                        .ENTRY
                                                                                                 R11
                                              58 00000000G
                                                                   9E 00002
                                                                                        MOVAB
                                                                                                 FNCT+4, R11
                                                              EF
                                              50
                                                                   DÖ 00009
                                                                                                                                                        0280
                                                                                                 OUTPUT_COUNT, RO
                                                         04
                                                                                        MOVL
                                                               01
                                                                    14 0000D
                                                                                        BGTR
                                                                                        RET
CMPL
                                                                    04 0000F
                                                                   D1 00010 15:
                                                                                                                                                        0286
                                              6B
                                                                                                 RO, FNCT+4
                                                                                                 2$
                                                               1A
                                                                    15 00013
                                                                                        BLEQ
                                                                                                                                                       0289
                                                                   DD 00015
                                                                                        PUSHL
```

FOR

V04

VAX-11	Bliss-3	32 v4.0-742
[RUNOF F	.SRCJFO	000UT.BL1;1

					·				(4)
00000	00G	EF 57 57	00000000 8	F 91 3 FE B D(3 1	0001D 00023 0002A 0002D	2 \$:	PUSHAB PUSHL CALLS MOVL BRB MOVL	P.AAA WRNFILE #3, ERMS FNCT+4, COUNT 3\$ RO, COUNT	. 0290 . 0286
000000	00G	EF 01	0 5 1)1 DI)1 FI 50 D' 19 1:	00032 00034 00038 0003E	35:	PUSHL CALLS CMPL BEQL	#1 #1, FOOFIL RO, #1 4\$	0293 0302
000000	00G	EF	C)5 D()1 F(3 00042		PUSHL CALLS	#5 #1, FOOFIL	: 0305
000000	00G	EF	C)6 DI)1 FI			PUSHL CALLS	#6 #1, FOOFIL	: 0306
			FC A	B 70			CLRQ CLRQ	FNČT FNCT+12	: 0307 : 0310
	14	AB		04	00058	45:	RET MOVL	#1, FNCT+24	; 0304 ; 0315
	•	5A	0000000G F	F D		. •	MOVL CLRL	aPHAN+40, HOLD_PAGING aPHAN+40	: 0316 : 0317
000000		E F	00000000 E	F D	0006A		MOVL MOVL	TSF, FOHTSF	: 0319
000000	100G	EF	00000000 E	F 91	00080		MOVAB	MRA, FOHMRA FOOTSF, TSF	; 0320 ; 0321
000000	1000	EF	5	F 91	00096		MOVAB CLRL	FOOMRA, MRA FOO_FIRST_XTN	; 0322 ; 0323
		54	C	3 D	0009A		CLRL MNEGL	MAPTFIRST XTN #1, I	: 0324 : 0359
50		54	08 A	7 1 B C	0009F	5\$:	BRB ADDL3	7\$ FNCT+12, I, RO	: 0360
		58	0000000GEF4	5 D4	000A4		MOVL CLRL	FNISIZ[ŘO], R8	;
			800	10 R		6\$:	BRW PUSHL	11 \$ #8	0364
000000	00G	EF 59	Ŏ)1 FE	000B3		CALLS MOVL	#1, FOOFIL RO, STATUS	
		01	Ś	0 D(2 D4 9 D1	000BD		CLRL CMPL	R2 STATUS, #1	0366
		01	U	15 T.	3 000C2		BEQL	8\$	
		^^	000)1 31	00004	7\$:	INCL BRW	R2 17 \$	0369
		U2	00000000 E	1 1	00000	85:	CMPL BNEQ	FOOREC, #2 12\$: 0372
000000	00G	EF 59	Q)9 D[)1 F[3 Q00D4		PUSHL CALLS	#9 #1, FOOFIL	: 0377
		59 01	5	1 FE	1 000DE		MOVL CMPL	RO, STATUS STATUS, #1	0380
		51	E	3 17	2 000E1 000E3		BNEQ Movl	7\$ FOOREC+12, R1	0386
			0000000GFF4	A 1:	000EA		BLEQ MOVAL	10\$ @FOOREC+16[R1], RO	0394
		- •	FC A	0 D	5 000F4		TSTL BEQL	-4(R0) 10\$	
			5	6 D	5 000f9		TSTL BNEQ	FŬO_FIRST_XTN	0398
		53 56	00000000G E	F D) 000FD		MOVL	GCA+168, MAP_FIRST_XTN	0403
	FC		00000000 E	O DO	00104	9\$:	MOVL MOVL	-4(RO), FOO_FIRST_XTN GCA+168, -4(RO)	: 0404

F000UT V04-000	perform body of	s ou rou	tputting of tine	foo	otnotes			i 16 14	. 12 5-Sep-19 5-Sep-19	984 00:33 984 13:05	:42	VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]F000UT.BLI;1	Page	11 (4)
			000000006	EF	00000000G 00000000G 00000000G	EF EF 51 EF 04	D6 DD DD DD FB	00110 00116 000110 000116 000124 00124	10\$:	INCL PUSHL PUSHL PUSHL PUSHL CALLS	GCA+16 FOOREC R1 FOOREC	;+4 ;+16 ;+8	;	0414 0420 0419
			000000006	EF 58 50 51	00000000G 38	61 03 01 52 EF	11 DB FB DQ	00131 00133 00135 00136 00136 00146	11 3 : 12 5 :	BRB PUSHL CALLS BLBS MOVL MOVL	R2, 17 TSF, R 56(RO)	00FIL '\$ RO	: :	0425 0428 0463
				26	14 00000000G	3F A0 56 OA	15 E9 D5	0014A 0014C 00150 00152		BEQL BLBC TSTL BNEQ	1 3 S =	RST_XTN		0467 0472
			38 30	53 56 A0 A0	00000000G 00000000G 00000000G	EF 51 EF EF	DO D	0015B 0015E 00166 0016E	13\$:	MOVL MOVL MOVL INCL	OCATIO	68, MAP_FIRST_XTN DO_FIRST_XTN 68, 56(RU) 68, 60(RU)		0477 0478 0487 0488 0489
	3 C	52 51 A 0	3C 38	51 52 A0 51 A0		15 56 53 51 52 7E	C3 C3 C1	0014A 0014C 00150 00152 00154 00158 00158 00166 00176 00176 00178 00188	14\$:	BRB SUBL3 ADDL2 SUBL3 ADDL3 MOVL	15\$ F00_F1 MAP_F1 R1, 60 R2, R1	RST_XTN, R1, XTN_OFFSET RST_XTN, R2 (ROT, R1 , 60(RO)		0467 0508 0514
FF17		55 02	000000006	EF 01 54		7E 01 58 57 03	D4 FB F1 F2	0018D 00194		CLRL CALLS ACBL AOBLSS BRB	R2, 56 -(\$P) #1, OL R8, #1 COUNT, 19\$	JTLIN J	:	0527 0360
			00000000G 00000000G 00000000G F C 08		000000006 000000006	EF EF S 5 7 7 AB AB 17	D0 C2 C2	001A3 001AE 0001B9 001C0 001C3	18\$: 19\$:	BRW MOVL MOVL SUBL2 SUBL2 ADDL2 CLRL TSTL	FOHTSF FOHMRA HOLD F COUNT, COUNT, FNCT+2	T, TSF A, MRA PAGING, aphan+40 FNCT+4 FNCT FNCT+12		0532 0533 0534 0535 0536 0537 0538 0541
; Routine Size:	491 by		00000000G 00000000G Routine	EF EF	08	05 01 06 01 6B AB	70	4 001EA	20 \$:	BGTR PUSHL CALLS PUSHL CALLS CLRL CLRQ RET	FNCT 20\$ #5 #1, FO #6 #1, FO FNCT+4	•		0545 0546 0548 0547 0552

!End of module

FOR VO4

FOR VO4

PSECT SUMMARY

Name

Bytes

Attributes

SPLITS SCODES 8 NOVEC.NOWRT, RD , NOEXE.NOSHR, LCL, REL, CON.NOPIC.ALIGN(2) 491 NOVEC.NOWRT, RD , EXE.NOSHR, LCL, REL, CON.NOPIC.ALIGN(2)

Library Statistics

File	Total	- Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
_\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	37		86	00:00.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: FOOOUT/OBJ=OBJ\$: FOOOUT MSRC\$: FOOOUT/UPDATE=(ENH\$: FOOOUT)

Size: 491 code + 8 data bytes Run Time: 00:10.3

Run Time: 00:10.3 Elapsed Time: 00:31.4 Lines/CPU Min: 3229

; Lexemes/CPU-Min: 15660 ; Memory Used: 119 pages ; Compilation Complete 0341 AH-BT13A-SE

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